

Identification of Food Dyes by Light Absorption
Measurements in the Visible and in the Ultraviolet
Regions of Light, by A. Shokolay, A. Pagachova, 10 pp.
CZECH, per, Průmysl Potravin, Vol XII, 1961,
pp 656-658. 9692211
DDC RSIC-124

Sci - Chem
Apr 64

253,727

Relation Between the Metallographic
Structure and the Susceptibility to
Intercrystalline Corrosion of a Binary
Alloy of Aluminum Containing 5% of Copper,
by M. Paganelli, 14 pp.

ITALIAN, per, Alluminio, Vol XXIV, No 4,
1955, pp 335-343.

Asso Tech Svc 11 H 9 I
HIS-491-15

Sci

Aug 58

69, 864

The Structure of Anodic Oxide Coatings on Aluminum,
by M. Paganelli, 11 pp.

ITALIAN, per, Alluminio, Vol XXVII, 1958, pp 7-12.
9089538

ABC CAT-2-5033

Sci - Chem
Jul 62

204,693

62-20010

Pagani, Giovanni and Berzaghi, Bruno.

~~ANTIFOGGING~~ PRODUCT PARTICULARLY SUITABLE
FOR SPECULAR SURFACES AND PROCESS FOR ITS
PRODUCTION. [1962] Sp.

Order from OTS or SLA \$1.10

62-20010

- I. Pagani, G.
- II. Berzaghi, B.
- III. Patent (Italy) 462 021

Trans. of Italian patent 462, 021, filed 2 Dec 49,
granted 23 Feb 51.

DESCRIPTORS: *Antifogging agents, Optical materials,
Production, *Optical equipment.

The invention concerns an antifogging product
particularly suitable for specular surfaces, character-
ized by the feature that it consists of the sodium salt of
sulfonated lauryl alcohol at a suitable concentration,
combined with glycerol at a suitable concentration,
said substances being suitably treated to obtain a pasty
product. (Author)

(Materials, TT. v, 9, no. 11)

Office of Technical Services

Use of Antibiotics as Selective Agents in the
Isolation of Streptomyces, by G. Rolland, H.
Pagani, M. Contri, 25 pp.

ITALIAN, per, Il Farmaco; Ed Sci, Vol XII, No 2,
1957, pp 103-119.

SIA 59-10031

Sci - Biol

Sep 59

Vol 2, No 1

97, 227

(FDD 26224)

A Reply to the Reviewers, by S. T. Pazava, 4 pp.

RUSSIAN, no per, Meteorol i Gidrol, No 4, Leningrad,
Jul/Aug 1955, p 57-58.

SLA R-48/57
CIA/FDD U-8069

32.4.57

USSR

Sci - Geophysics, Meteorology

Significant Monthly Anomalies of Air Temperatures
Over the European Territory of the USSR, by K. I.
Kashin, S. T. Pagaeva, 116 pp.

RUSSIAN, bk, Issledovanie Znachitel'nykh Mesyachnykh
Anomalii Temperatury Vozdukh na Evropeiskoy Territorii
SSSR, 1959, 9067317

OTS 61-11464
PL-480

Sci - Geophys

Subj Oct 62

214,840

REF 699

On a Way of Finding the Sign of the Five-Day
Air Temperature Anomaly Two Months Ahead, by
S. T. Pagnava, N. A. Sevalkina.

RUSSIAN, per, Trudy Tsentral Inst Prognozov,
No 103, 1962, pp 3-15.

NLL M 5005

Sci - Earth Sci & Astron
Mar 63

226,541

Pagava, S. T., Aristov, N. A. and others.
THE INFLUENCE OF THE NORTH ATLANTIC ON
THE DEVELOPMENT OF SYNOPTIC PROCESSES, tr.
by 1963, 66p. 33 refs. PL-480 Comm.
Order from OTS \$0.75

61-11466

Trans. of mono. Vliyaniye Severnoi Atlantiki na
Razvitiye Sinopticheskikh Protsessov, Moscow, 1958
[71p.].

DESCRIPTORS: *Heat transfer, *Atlantic Ocean,
*Atmosphere, Correlation techniques, Weather forecast-
ing, Meteorology, *Climatology, Meteorological
parameters, *Marine meteorology.

This book presents the results of an investigation into
some aspects of the ocean-atmosphere interaction. A
relationship is traced between the heat given up by the
water to the air and thermal processes in the atmos-
phere. The nature of heat exchange over a natural
(Earth Sciences--Meteorology, TT, v. 9, no. 10) (over)

61-11466

I. Pagava, S. T.
II. Aristov, N. A.
III. PL-480 Comm (61-11466)
IV. National Science Founda-
tion, Washington, D.C.

Office of Technical Services

Use of Stratospheric Observational Data in Analysis
of Natural Synoptic Seasons, by S. T. Pagava,
8 pp.

RUSSIAN, per, Mat i Gid, No 11, 1964, pp 25-26.

JPRS 27681

Sci-Earth Sciences
and Astronomy
Jan 65

272,126

PAGAVA, S. T.

A Contribution to the Problem of the Succession of
Axes. (Proceedings of the Scientific Research Insti-
tute, II, issue 3, p. 66-73). From RUSSIAN

11 pp.

Headquarters, Air Weather Service, A-2, Technical Re-
search Files -- No. c282.

A 8858

PAGAVA, S. T.

The Development of Synoptic Climatology

Klimat i Pogoda, No 2, 1936, p 12-14.

HQ, Air Weather Service, A-2, Technical Research Files,
m09.3/P13

Handwritten: A8859

Handwritten: A8859

PAGAVA, S.

F. Baur's Methodics of Long Range Weather Forecasts
Pogoda, No 8, Apr, 1941, p 5-7.

HQ, Air Weather Service, A-2, Technical Research
Files
m09.33/P13a.

RT-2496

A8860

NCH-202 925

Field 4B

Pagava, S. T.
RHYTHMIC PROCESSES IN THE ATMOSPHERE. 1965,
11p, 25refs. Trans-F.116.
Order from NLL

Trans. of Meteorologiya i Gidrologiya (USSR) n1 p14-21
1965.
For another listing of this journal see 'Translated or
Abstracted Publications,' in TT Vol. 15, No. 2.

1. National Lending Library
for Science and
Technology.
Boston Spa (England)

304052
4304052

Investigation of Mixed Ethylenic Acetylenic
Y-Glycols, by A. I. Nogaideli, K. Ya. Dzagnidze,
T. Pagava, T. Kverenchkhiladze, 3 pp.

RUSSIAN, per, Zhur' Obshch Khim, Vol XXIX, No 4,
1959, pp 1231-1232.

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Sci

Jun 60

117,661

The Catalytic Halogenation in Concentrated
Sodium. II. The Chlorination of Aromatic
Hydrocarbons Activated by Chlorohydric Acid,
by Paul Schenken, Jean Page, Joseph C. le and
Jungers, 18pp
FRENCH, par, Societe Chimique de France,
Bulletin, 1957, pp 1324-1403
SLA TT-65-10028

Jean Page

Sch - Chen
June 67

955
328,438

Effects of Growth Hormone on the Interscapular Brown
Fat of the Rat, by E. Page, 2 pp.

FRENCH, per, Comptes Rendus de Biol., Vol CXLVIII,
Aug-Sep 1954, pp 1523-1524.

34,445
S.L.A. No 253/1956

Scientific - Biology

Page, Jean le and Jungers, Joseph-Charles.
CATALYTIC HALOGENATION IN CONCENTRATED
MEDIUM. IV. CHLORINATION OF AROMATIC
HYDROCARBONS, ACTIVATED WITH STANNIC
CHLORIDE. [1963] 18p. (figs. tables omitted) 8 refs.
Order from SLA \$1.60 63-14236

Trans. of Soc[ieté] Chim[ique de] France. Bull[etin]
1960 [no. 3] p. 525-533.

DESCRIPTORS: *Hydrocarbons, Halogenation, *Chlori-
nation, Catalysts, Chlorides, *Tin compounds,
Reaction kinetics, Complex compounds.

The chlorination of aromatics, activated with stannic
chloride, corresponding to the order one in relation to
chlorine, hydrocarbon and catalyst, lends itself
particularly well, because of its simple kinetics, to
demonstrating the associations taking place in the re-
(Chemistry--Organic, TT, v. 10, no. 5) (over)

63-14236

- I. Page, J. le
- II. Jungers, J.-C.
- III. Title: Chlorination ...

A242676

Office of Technical Services

(SF-1854)

A Note on the Soninke (Segou), by R. Pageard,
3 pp.

FRENCH, par, Notes Africaines, No 89,
Jan 1961, pp 17, 18.

JPRS 12877

Africa
Soc
Mar 62

187,967

(SF-1854)

NOTES ON THE DIAMMBE OR DIKORMAE, BY
R. PAGEARD, 16 PP.

FRENCH, PER, JOURNAL DE LA SOCIETE DES AFRICANISTES,
VOL XXIX, SEC II, 1959, PP 239-260.

JPRS 13005

AFRICA
SOC
MAR 62

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63-14970

Pagenstedt, Bernd.
TECHNICAL STUDIES OF STARCH WITH THE AID
OF THE "VISCOGRAPH" (Stärke-technologische
Studien mit dem Viskographen). [1963] [19]p. (foreign
text included) 5 refs.

Order from SLA \$1.60

63-14970

Trans. of reprint of die Stärke (West Germany) 1951,
v. 3, no. 7, p. 202-210.

DESCRIPTORS: *Starches, *Colloids, Gels, Viscosity,
Measurement, *Viscosimeters, Fermentation, Borax.

A short description is given of the latest, improved
Brabender VISCOGRAPH with heating and cooling
control, as well as of the testing routine as applied for
the preparation of the starch-water-suspensions. The
starch formation, in general, and the interpretation
of a Viscograph gelatinisation curve are commented
upon. In assessing gelatinisation characteristics of
(Food, TT, v. 10, no. 4) (over)

1. Title: Vistograph
1. Pagenstedt, B.

Office of Technical Services

TT-64-14563

Pagés, Joaquin Poch and Casañas, Ana Maria Poch.
PROCEDURE FOR ELIMINATING THE POISONS FROM
TOBACCO. [1963] 5p
Order from OTS, SLA, or ETC \$1.10 TT-64-14563

I. Pagés, J. P.
II. Casañas, A. M. P.

Trans. of unidentified Spanish patent, 18 Sep 63.

(Chemistry, TT, v. 11, no. 12)

Office of Technical Services

Interest of Magnetic Recording in Nuclear Physics, by
A. Pages.

FRENCH, per, Comptes Rendus du "Colloque International
sur L'Electronique Nucleaire" Organise par la Societe
Francaise des Radioelectriciens, Paris, 1958, Vol II,
1959, pp 283-290.

*AEC Tr-4546

Sci - nuc / whp
Apr 60

Inhibition of Diapedesis by Bacterial Endotoxins
and Its Mechanism, by A. Delaunay, J. Pages, 14 p.

FRENCH, per, Annales Inst Pasteur, 1945, Vol LXXI,
No 9/10, pp 431-439.

BLA 59-20299

Sci

Feb 60

Vol 2, No 12

108,210

The Effect of γ and α Radiation on Plutonium
Solution, by M. Pages, M. M. Haissinsky.

Second UN Geneva Conference Papers A/Conf/15P/1156,
1956.

*AEC

Sci - Nuc Phys

Feb 59

Vol 15

Radiolysis of Aqueous Solutions of Plutonium, by
Monique Pages, 31 pp.

FRECH, per, Journal Chim Phys, Vol LIX, 1962,
pp 63-77.

AEC-NP-1007(Draft)

Sci - Nucl Sci

Aug 63

341,332

Diffuse & Periventricular Atrophy After Radio-
therapeutic Treatment of Cerebral Neoplasms, by
P. Lafon, P. Pages, R. Labauge, J. Minivieille,
4 pp.

FRENCH, per, Journ de Radiologie d'Electrologie,
Vol XXXVII, No 7/8, Jul-Aug 1956, pp 607-610.

N

NIB/Tr 11-20

Sci - Med
Dec 57

55, 777

Arithmetic Unit and the Utilization Thereof
in Computers, by R. Pages, 6 pp.

FRENCH, Patent No 70,956, (Addition to 1,141,001).

Dept of Comm & E
Patent Off
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Sci - Engr
Nov 61

173, 215

Paget, M. and Becquet, N.
ON THE POSSIBLE INFLUENCE OF SOME DRUGS
AND BIOLOGIC SUBSTANCES ON THE DETERMI-
NATIONS OF URINARY GLUCOSE WITH NOTATIN.
[1961] 3p.
Order from SLA \$1. 10

61-16481

Trans. of Ann[ales de] Biol[ogie] Clin[ique] (France)
1960, v. 18, p. 504-507.

DESCRIPTORS: *Drugs, Antibiotics, Biochemistry,
*Urine, *Glucose, Determination.

(Biological Sciences--Pharmacology, TT, v. 6, no. 8)

61-16481

I. Paget, M.
II. Becquet, N.

173696

Office of Technical Services

Influence of Thiocetic Acid on Experimental Galactosuria,
by L. Pagliari, F. Balsano, 5 pp.

ITALIAN, per, Boll Soc Ital Biol Sper, Vol XXXII, No
7/8, 1956, pp 727-729.

NIH Tr 3-2

SLA 58-376

Sci - Medicine

Apr 58

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(DC-5903/1)

Bayankhongor Aymak Plans for Livestock Increase
and Fodder Stockpiling, by Yadamasuren, Sukhbat,
Pagma, Tserenjamts, 3 pp.

MONGOLIAN, mp, Uden, 9 Apr 1961, p 2.'

JPAS 8792

FE - Mongolia

166,405

Econ

Sep 61

Isolation and Psychotherapy, by J. Cornus, P.
Pagniez, 10 pp.

FRENCH, bk, Isolement et Psychotherapie, Alcan,
Paris, vpp V-VIII, 1-4,

NIH 7-30

Sci - Med

Sep 58

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Transfer of Sulfur Compounds From the Charge Into
Calcium Carbide During the Electric Furnace Process,
by V. A. Erahov, I. A. Pagnueva, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIV, No 10,
1961, pp 2159-2163.

CB

Sci
Aug 62

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Transfer of Sulfur Compounds From the Charge
Into Calcium Carbide During Production of the
Latter in the Electric Furnaces, by V. A. Brabov,
I. A. Pagnova, 7 pp.

RUSSIAN, per, Zhurnal Prikl Khim, Vol XXXIV,
No 9, 1961, pp 1901-1906.

CS

Sci

Jul 62

202,661

Method for Chemical Processing of Low-Grade
Uranium Ores, by P. Mouret, P. Pagny.

FRENCH, paper P/339, Proceedings of International
Conference on Peaceful Uses of Atomic Energy Held
at Geneva 8-20 Aug 1955, Vol VIII. .

Internatl Conf -- UN

Sci - Nuclear Physics 46, 096
Apr 57 CIA 1-669.9.162

Aviation Exposition of Italian Industry in Milan, by
Franco Pagliano. UNCLASSIFIED

Full translation.

GERMAN, Flugwelt, Vol IV, No 10, Oct 1952, p 320.

ATIC P-TS-7974

WEur - Italy

Economic - Aviation, Industry, Milan

A8862

Jan 53 CTS/DEX

61-25028

Pagola.
REVIEW OF SOME RECENT CONCEPTS CONCERN-
ING ANTIBIOTICS. [1961] 24p.
Order from ATS \$17.75

ATS-57NS2SP

Trans. of Hosp[ital] Infantl, Mex[ico]. Bol[etin]
Med[ico] 1960, v. 17, p. 913-936.

DESCRIPTORS: *Antibiotica.

- I. Pagola
- II. ATS-57NS2SP
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

(Biological Sciences--Pharmacology, TT, v. 6, no. 9)

Office of Technical Services

7
Evaluation of the 1963 Statistics of the National
Forest Preserve Observation and Warning Service
and the Game Preserve for 1964,
by Robert Fogarty, 9 pp.
HUNGARIAN, PAF, Az Hando, Vol XIII, No 2,
1964, pp 60-66.
JPRS 25248

EE-Hungary
Econ
Jul 64

208,581

The Effect of Treatment of Serum Sialic (N-Acetyl-neuraminic) Acid Level in Patients With Rheumatoid Arthritis, by J. Pągowska-Wójtowska, J. Dąbłowska, 8 pp.

POLISH, per, Polski Tygodnik Lekarski, Vol XVII, No 93, 1962, pp 24-30.

OTS 63-11409
PL-480

Sci - Biol & Med Sci
Dec 63

244,959

Pagula, M.
PROCESS FOR THE PREPARATION OF CONDENSE-
TION PRODUCTS FROM UREA AND ALCOHOLS OR
KETONES, [27 Oct 59] 2p 1ref
Order from OTS, SLA, or ETC \$1.10 TT-64-10091

Trans. of German patent 506,795, n.d., suppl. to
506,963, by I. G. Farbenindustrie].

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10091

I. Pagula, M.
II. Patent (Germany) 506 795
III. Patent (Germany) 506 963
suppl.

683321

Office of Technical Services

Pagula, M.
PROCESS FOR THE PREPARATION OF CONDENSE-
TION PRODUCTS FROM UREA AND ALCOHOLS OR
KETONES. [27 Oct 59] 2p 1ref
Order from OTS, SLA, or ETC \$1.10 TT-64-10091

Trans. of German patent 808,796, n.d., suppl. to
804,963, by I. G. Farbenindustrie).

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10091

I. Pagula, M.
II. Patent (Germany) 808 796
III. Patent (Germany) 804 963
suppl.

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Office of Technical Services

62-12253

Pagurova, V. I.
TABLES OF THE EXPONENTIAL INTEGRAL
 $E_v(x) = \int_0^{\infty} e^{-xu} u^{-v} du$. Mathematical Tables Series,
v. 8. [1961] 151p.
Order from PP \$12.50

Trans. of unidentified Russian mono., n.p., n.d.

DESCRIPTORS: *Integrals, Functions, *Special
functions, Tables.

(Mathematics, TT, v. 7, no. 3)

I. Pagurova, V. I.
II. Title: Mathematical...
III. Pergamon Press, Inc.,
New York

27513

Office of Technical Services

Use of Radiostrotrontium 89^{89} in the Treatment of
Cancer, by J. E. Pahaut, J. Govaerts, 8 pp.

FRENCH, par, Journ de Radiologie d'Electrologie,
Vol XLVII, No 3/4, Mar-Apr 1956, pp 164-169.

NIN/Tr 11-21

Sci - Med

Dec 57

55,778

Pahenitsen, P. A. and Lavrovich, O. S.
NEW ELECTROLYZER FOR ELECTROLYTICAL
DECOMPOSITION OF ALKALI SALTS (Novyi
Elektrolizer dlya Elektroliticheskogo Razlozheniya
Shchelochnykh Solei). [1963] [5]p. (foreign text included)
2 refs
Order from OTS or SLA \$1.10 63-18120

Trans. of Zavodskaya Laboratoriya (USSR) [1938]
v. 7, p. 622-623.

DESCRIPTORS: *Electrolysis, Decomposition,
*Alkali metal compounds, Centrifugal pumps,
Mercury, Sodium compounds, Silicates, Salts,

(Chemistry--Physical, TT, v. 10, no. 12)

63-18120

1. Title: Electrolyzers
I. Pahenitsen, P. A.
II. Lavrovich, O. S.

Office of Technical Services

Precision Turning of Plain Carbon Steels With
Ceramic and Carbide Tools, by G. Pahlitzsch,
R. Dornhoffer.

GERMAN, per. Werkstatt und Betrieb, Vol 97,
No 3, 1964, pp 225-234,
(CSIRO/No. 7134)

Sci -
Sug 67

G. Pahlitzsch

339.930

New Investigation of the Reflection Properties of
Surfaces as Regards Street Lighting, by A. Pahl,
R. Chodura.

GERMAN, per, Lichttechnik, Vol VII, No 11, 1955,
pp 422-426.

D.S.I.R./27190

Sci - Physics
Apr 57 CTB/dex

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ASLIB-GB29

Measurement of the Thermal Conductivity of Foamed
Rubber, by C. Hagen, G. Pahl, 16 pp.
GERMAN, per, Kautschuk und Gummi, Vol VII, 1954,
pp 218-221. 9226281
AEC-SC-T-64-1644

p 37

Sci-Phys
Jan 65

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Foreign Gas Hindered and Pure Molecular Flow
Through Multiple Bent Tubes as a Model for a
Pore System, by J. W. Hiby, M. Pahl, 10 pp.

GERMAN, Ger, Z Naturforsch, Vol XIa, 1956, pp
80-84.

AEC 3463

Sci - Nuc Phys

Jan 59

79,564

The Influence of Binary ^g Collisions on the
Molecular Flow of Gases, Part II. Narrow
Channels Between Flat Plates: Perforated Plates:
Short Tubes: Porous Media, by J. W. Hiby, M. Pahl,
26 pp.

GERMAN, per, Z Naturforsch, Vol VIIa, 1952,
pp 542-553.

AEC Tr 1886

scientific - Physics
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Monoenergetic Ion Beams From the Glow-Discharge
of the Hollow Cathode, by M. Pahl, W. Kleinmann,
25 pp.

GERMAN, per, Ann Physik, Vol XIII, No 6, 1953,
pp 166-177.

AEC UCRL-Trans-587(L)

Sci - Phys
13 Mar 61

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The Influence of Binary Collisions of the Molecular
Flow of Gases, Part I, Long, Cylindrical Tubes, by J. W.
Hiby, M. Fahl, 21 pp.

GERMAN, per, Z. Naturforsch., Vol VIIa, 1952, pp 533-541.

ASC Tr 1885

Scientific - Physics
CTS/DEK

14,362

61-10536

Pahl, M. and Welmer, U.
FORMATION OF He_2^+ AND Ne_2^+ IN A STATIONARY
POSITIVE LOW PRESSURE COLUMN (Zur Bildung von
 He_2^+ und Ne_2^+ in der Stationären Positiven
Niederdrucksaule). [1960] [9]p. 19 refs.
Order from SLA ml\$1.80, ph\$1.80 61-10536

Trans. of Z[eitschrift für] Naturforschung (West
Germany) 1958, v. 13a [no. 9] p. 753-757.

Using an apparatus recently described (discharge tube
connected to a mass spectrometer) ion effusion flows
from the stationary positive column are measured in
He and Ne glow discharges. The effusion flow of a
specific type of ion is proportional to its rate of forma-
tion in the plasma. The formation ratios of $\text{He}_2^+/\text{He}^+$
and $\text{Ne}_2^+/\text{Ne}^+$ are shown in relation to total pressure
(0.1-5 Torr) and the measured curves are discussed.
(Translator)

(Physics--Spectroscopy, TT, v. 5, no. 7)

1. Glow discharges--ionizing
effects
 2. Mass spectrometers--
Applications
 3. Gas discharges--
Spectrographic analysis
- I. Pahl, M.
II. Welmer, U.

Office of Technical Services

61-10531

Pahl, M. and Welmer, U.
MASS SPECTROSCOPIC STUDIES OF THE FORMATION OF $(\text{HeNe})^+$ IN THE POSITIVE COLUMN
(Massenspektrometrische Untersuchungen über die Bildung von $(\text{HeNe})^+$ in der Positiven Saule). [1960]
[15]p. 13 refs.
Order from SLA mi\$2.40, ph\$3.30 61-10531

Trans. of Zeitschrift für Naturforsch[ung] (West Germany) 1957, v. 12a [no. 11] p. 926-931.

1. Helium ions--Mass spectra
2. Neon ions--Mass spectra
- I. Pahl, M.
- II. Welmer, U.

Office of Technical Services

(Physics--Spectroscopy, TT, v. 5, no. 7)

Velocity Distribution of Individually
Scattered Molecules in Gases, by J. W. Hiby,
M. Pahl.

GERMAN, per, Zeitschrift fuer Physik,
Vol ~~CCXX~~ CXXX, 1951, pp 348-355.

NZDIA

Sci-Phys

Oct 63

241, 409

Individual Scattering of Molecules in a Gas
With Maxwellian Distribution, by J. W. Hiby,
M. Pahl.

GERMAN, per, Zeitschrift fuer Physik, Vol CXXIX,
1951, pp 517-529.

NZDIA

Sci-Phys

Oct 63

241, 408

61-10537

Pahl, M. and Weimer, U.
FLOW DISCHARGE MASS SPECTROMETRY (Zur
Massenspektrometrie an Glimmentladungen). [1960]
[18]p. 25 refs.
Order from SLA mi\$2.40, ph\$3.30 61-10537

Trans. of Zeitschrift für Naturforschung (West
Germany) 1958, v. 13a [no. 9] p. 745-753.

The connection of a direction-focussing 60° mass
spectrometer to the stationary positive low pressure
column for the purpose of measuring ion flow rates is
described. Ions are obtained from the plasma by
ambipolar effusion. Ions which have very different
mobilities diffuse with different energies. Such energy
differences are established by a counterfield method
and measured between Ne^+ - Ne_2^+ , Ne^+ - NeH^+ ,
 He^+ - He_2^+ . The isotopes of neon have the same energy
within the accuracy of measurement achieved. Quanti-
tative evaluation shows that no volume recombination
processes are observed in He and Ne under the condi-
tions selected. (Author)
(Physics--Spectroscopy, TT, v. 5, no. 7)

1. Glow discharges--Ionizing
effects
 2. Mass spectrometers--
Applications
 3. Gas discharges--
Spectrographic analysis
- I. Pahl, M.
II. Weimer, U.

Office of Technical Services

61-10539

Pahl, M. and Welmer, U.
THE REACTION $\text{He}_2^+ + \text{Ne} \rightarrow \text{Ne}^+ + 2\text{He}$ IN A POSI-
TIVE COLUMN (Die Reaktion $\text{He}_2^+ + \text{Ne} \rightarrow \text{Ne}^+ + 2\text{He}$
in der Positiven Saule). [1960] [5]p. 11 refs.
Order from SLA mi\$1.80, ph\$1.80 61-10539

Trans. of Zeitschrift für Naturforschung (West
Germany) 1958, v. 13a [no. 1] p. 50-51.

1. Helium--Chemical reactions
2. Neon--Chemical reactions
1. Pahl, M.
- II. Welmer, U.

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 8)

GLUCOSE AND LACTIC ACID CONCENTRATION AT THE TIP OF
THE VASCULAR COUNTER-CURRENT SYSTEM IN THE RENAL
MEDULLA, BY A. RUIZ-GUINAZU, G. PAHLING, 5 PP.

GERMAN, PER, PFLUGERS ARCHIV, VOL CCLXXIV, 1961,
PP 311-317.

NIH 5-14-62

SCI - BIO

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AUG 62

Pahlitech, G. and Windiech, H.
SOME WAYS OF ECONOMICAL BELT POLISHING.
[1961] 7p. (7 figs. 11 footnotes refs. omitted).
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DESCRIPTORS: Belts, Grinders, Abrasives, Costs,
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Cooling, *Refrigeration systems, Lathes, Lubrication.

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DESCRIPTORS: *Grinding wheels, *Grinders, *Cutting
tools, Metals, *Refractory materials.

This report is concerned with the magnitude and course
of the influence of grinding time, diamond granulation
and diamond concentration, but principally with the in-
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Order from SLA \$3.60

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(Germany) 1956, v. 46, no. 5, p. 218-226.

DESCRIPTORS: *Grinding wheels, Economics,
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The question of the economy of an infinitely variable
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